

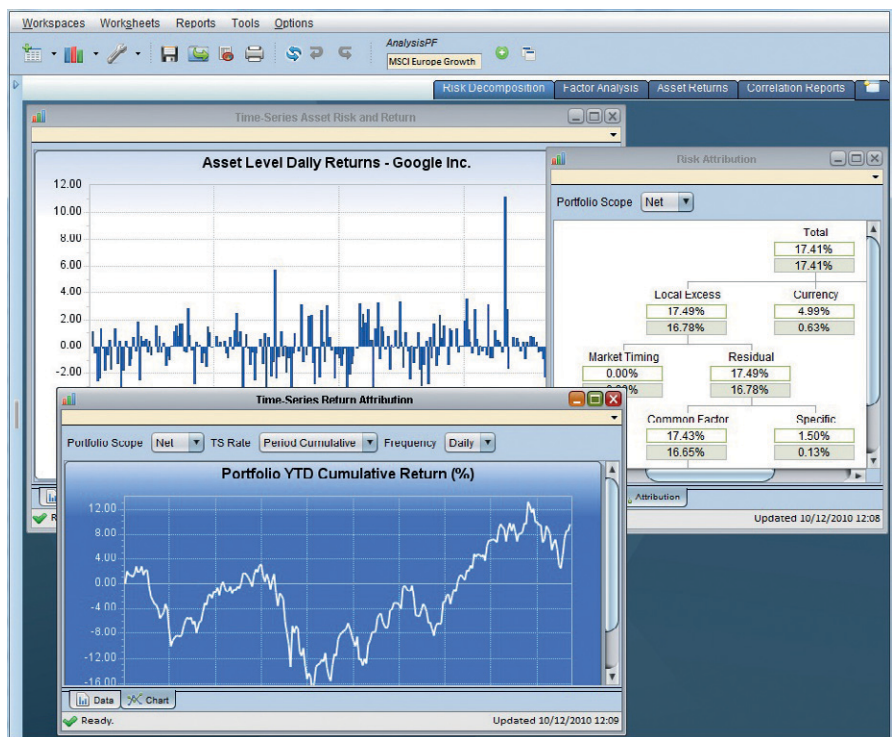
Barra Portfolio Manager Analytics

Helping build better portfolios



Barra Portfolio Manager delivers the next generation of equity portfolio management tools and is designed to help fund managers and their teams build better portfolios, regardless of investment process. It allows users to gain additional portfolio insight, manage a more systematic investment process and make faster, more informed investment decisions – all on one integrated, flexible, risk and performance platform.

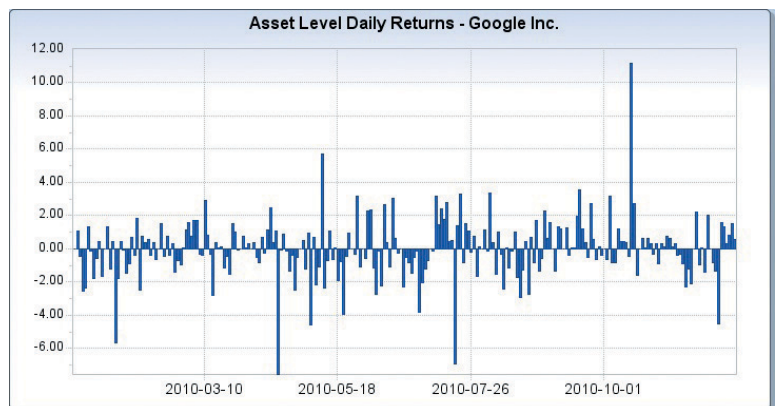
As a user of Barra Portfolio Manager you can benefit from a broad range of risk and performance equity analytics and a flexible user interface that lets you tailor, define and share your personalized workspaces. Because Barra Portfolio Manager runs on a secure, hosted platform, you can also reduce the time spent managing and processing data.



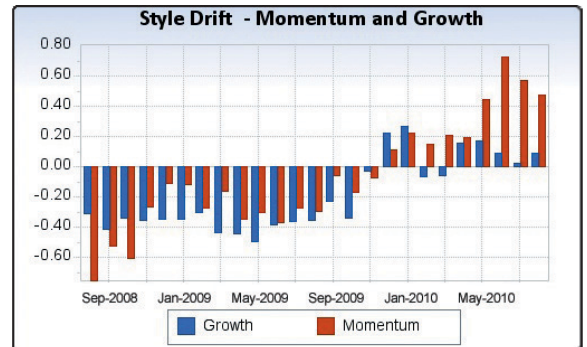
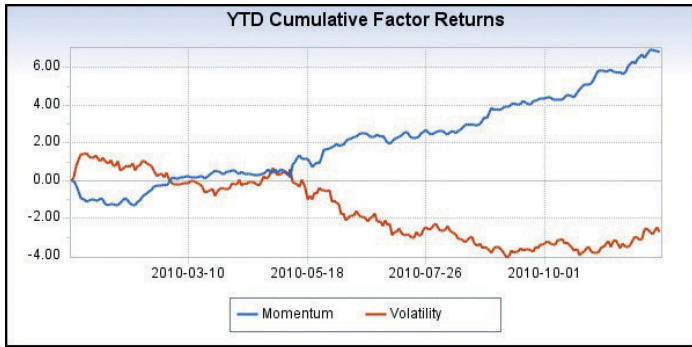
Barra Portfolio Manager provides multiple views of your portfolio or the market

Barra Portfolio Manager analytics include:

- **Attribution methodologies** – choose from factor-based, traditional allocation/selection (Pure Brinson), or a hybrid approach that combines the two for a more meaningful analysis of the selection effects when considering multiple decision variables.
- **Risk decomposition methods** – carry out risk decomposition using the latest Barra X-Sigma-Rho approach, which fully reflects the diversification effect of each risk source in the portfolio, or by using other variance-based analytics.
- **Powerful side-by-side analysis** – evaluate risk and return, portfolio characteristics, factors, and asset-level details side-by-side and compare different models, multiple dates and various portfolios simultaneously at a point-in-time or across a time-series.
- **Group-by analysis** – align your portfolio view with your investment process by aggregating, analyzing and reporting your portfolio characteristics across multiple dimensions using Barra-supplied attributes like industries or countries, or other user-defined data that can be easily imported.

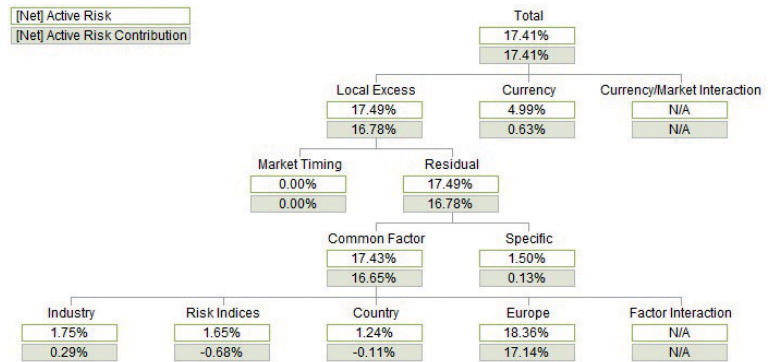


- **Advanced charting tools** – improve the analysis and communication of portfolio information across your organization and to your clients with easy-to-use and customizable charting tools. Run powerful time-series analysis and interact with the data by zooming in or out as required.



Barra Portfolio Manager can help you build better portfolios by providing you with the tools to:

- **Identify and control sources of risk** – isolate industry, style, market, or specific risk sources to see which policies are the largest contributors to your portfolio's risk and return.
- **Reduce unintentional bets and take corrective action** – combine the exposure, volatility and correlation of your bets with the whole portfolio to get a clear view on how they contribute to the risk within that portfolio.



Risk decomposition insight into the risk and return of your portfolio



- **Attribute performance** – evaluate performance in meaningful detail by attributing returns using a range of attribution methodologies.
- **Gain process control and scale** – monitor, control, and improve your workflow by using a range of views and workspaces you can tailor to your needs to ensure a consistent and replicable investment process.

To find out more about how Barra Portfolio Manager can be used within your equity investment process, please contact us.

Existing Barra Aegis Clients

Getting started is easy! Simply complete the Barra Order Form and an addendum to an existing Barra License Agreement to add the online service. **Contact us to get started now.**

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The company's flagship product offerings are: the MSCI indices which include over 120,000 daily indices covering more than 70 countries; Barra portfolio risk and performance analytics covering global equity and fixed income markets; RiskMetrics market and credit risk analytics; ISS governance research and outsourced proxy voting and reporting services; FE valuation models and risk management software for the energy and commodities markets; and CFRA forensic accounting risk research, legal/regulatory risk assessment, and due-diligence. MSCI is headquartered in New York, with research and commercial offices around the world.

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